

CURRICULUM VITAE ET STUDIORUM

Angela Bragaglia

Contact Information:

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Education:

1990 PhD in Astronomy (Università di Bologna)
Thesis subject: Searching for binary white dwarfs
Advisor: Prof. Alvio Renzini

1985 Laurea in Astronomia, Università di Bologna; final grade: 110/110 cum laude
Thesis subject: Globular Clusters observations with the Hubble Space Telescope
Advisors: Prof. Alvio Renzini, Flavio Fusi Pecci

1980 Diploma di maturità classica; final grade: 60/60

Career, fellowships, and grants:

1990 to date Researcher at INAF – Astronomical Observatory of Bologna.

2008 Visiting scientist (1 month) at Observatoire de la Côte d'Azur, Nice – contact A. Recio-Blanco

2007 Visiting scientist (2 months) at ESO Santiago – contact G. Marconi

1991-1992 C.N.R. grant at Lunar & Planetary Lab., University of Arizona, Tucson (USA) – contact J. Holberg

Research Interests

Resolved stellar populations, in particular:

Globular clusters - photometry and spectroscopy. Globular clusters - multiple populations. Open clusters - photometry and spectroscopy. Open clusters - tracers of the MW disk. The stellar population of the Milky Way and its satellites. The impact of the Gaia satellite on the knowledge of the structure of the MW.

Professional & Scientific activity

- 90 papers in major peer reviewed journals (18 of which as first author, 8 with 90+ citations and a total of nearly 2900 citations) with an H index of 28 and a normalized H index of 11
- Participation to many national and international conferences/workshops (average 3-4/year)
- PI and co-I of many observations at national/international telescopes, both ground-based and from space
- Participants at Grants: Italian MIUR (PRIN) in 1998, 2000, 2001, 2003, 2007; INAF in 2005, 2007, 2009; FP7-PEOPLE-2010-ITN
- Peer reviewer for A&A, MNRAS, AJ, ApJ, and New Astronomy
- Member of ESO TAC for 2 years (2003-2005)
- Member of TNG TAC for two years (2007-2009)
- Member of IAU
- Member of the ESA DPAC for Gaia (CU5-DU13: absolute photometric and spectrophotometric calibration)

Selected Publications

1. [Bragaglia, A.](#), Carretta, E., Gratton, R., D'Orazi, V., Cassisi, S., Lucatello, S. 2010. *Helium in first and second-generation stars in Globular Clusters from spectroscopy of red giants*. A&A, in press, arXiv:1005.2659.
2. Carretta, E., [Bragaglia, A.](#), Gratton, R.G., Lucatello, S., Bellazzini, M., Catanzaro, G., Leone, F., Momany, Y., Piotto, G., D'Orazi, V. 2010. *M54 + Sagittarius = ω Centauri*. ApJ, 714, L7-L11.
3. [Bragaglia, A.](#) 2010. *The quite complex "Simple Stellar Populations" of globular clusters*. Invited review, IAU Symposium 268, 119-128.
4. Carretta, E., [Bragaglia, A.](#), Gratton, R., Lucatello, S. 2009. *Na-O anticorrelation and HB. VIII. Proton-capture elements and metallicities in 17 globular clusters from UVES spectra*. A&A, 505, 139-155.

5. Carretta, E., Bragaglia, A., Gratton, G., et al 2009. *Na-O anticorrelation and HB. VII. The chemical composition of first and second-generation stars in 15 globular clusters from GIRAFFE spectra.* A&A, 505, 117-138.
6. Soubiran, C., Allende-Prieto, C., Altmann, M., Bragaglia, A., Clementini, G., Fremat, Y., Heiter, U., Joliet, E., Pancino, E., Sartoretti, P., Smart, R., Thuillot, W. 2008. *Ground-Based Observations for Gaia (GBOG).* SF2A-2008 35.
7. Bragaglia, A., Sestito, P., Villanova, S., Carretta, E., Randich, S., Tosi, M. 2008. *Old open clusters as key tracers of Galactic chemical evolution. II. Iron and elemental abundances in NGC 2324, NGC 2477 NGC 2660, NGC 3960, and Berkeley 32.* A&A, 480, 79-90.
8. Gratton, R., Bragaglia, A., Carretta, E., Tosi, M. 2006. *The Metallicity of the Old Open Cluster NGC 6791.* ApJ, 642, 462-469.
9. Carretta, E., Bragaglia, A., Gratton, R.G., Leone, F., Recio-Blanco, A., Lucatello, S. 2006. *Na-O anticorrelation and HB. I. The Na-O anticorrelation in NGC 2808.* A&A, 450, 523-533.
10. Bragaglia, A., Tosi, M. 2006. *The Bologna Open Cluster Chemical Evolution Project: Midterm Results from the Photometric Sample.* AJ, 131, 1544-1558.
11. Clementini, G., Gratton, R., Bragaglia, A., Carretta, E., Di Fabrizio, L., Maio, M. 2003. *Distance to the Large Magellanic Cloud: The RR Lyrae Stars.* AJ, 125, 1309-1329.
12. Gratton, R.G., Bonifacio, P., Bragaglia, A., et al. 2001. *The O-Na and Mg-Al anticorrelations in turn-off and early subgiants in globular clusters.* A&A, 369, 87-98.
13. Gratton, R.G., Sneden, C., Carretta, E., Bragaglia, A. 2000. *Mixing along the red giant branch in metal-poor field stars.* A&A, 354, 169-187.
14. Renzini, A., Bragaglia, A., Ferraro, F.R., Gilmozzi, R., Ortolani, S., Holberg, J.B., Liebert, J., Wesemael, F., Bohlin, R.C. 1996. *The White Dwarf Distance to the Globular Cluster NGC 6752 (and its Age) with the Hubble Space Telescope.* ApJ, 465, L23.
15. Bragaglia, A., Renzini, A., Bergeron, P. 1995. *Temperatures, gravities, and masses for a sample of bright DA white dwarfs and the initial-to-final mass relation.* ApJ, 443, 735-752.